### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	09/29/2016 09/29/2016	Herman Phillips

LM Start		Rating **	М	Issue No.		3	
LM End		Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item		Emergency Supplies & Equipment			0		0
пеш	Equipmen				0		0
DWR ID	DWR_RD0	349_01_f _ 201	4_3	'			
		Comn	nent Coc	de			
	Inspector Comment						
Was not able to see flood fight material storage location. The President of the District was not available with me on this inspection.							

No Photos

Issue No. LM Start Rating \*\* Α Location \* Issue Type + WS Ma LM End Earthen Levee GPS Latitude/Longitude Category End Operations & Maintenance Item Manuals DWR RD0349 01 f 2014 4 DWR ID **Comment Code** Inspector Comment RD 349 has O&M Manual on hand.

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	09/29/2016 09/29/2016	Herman Phillips

LM Start		Rating **	М	Issue No.		14	
LM End		Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	egory			Start En		End	
Item	Flood Preparedness & Training				0		0
item					٥		0
DWR ID DWR_RD0349_01_f _ 2014_14							
Comment Code							

#### Inspector Comment

RD 349 does not have a crew, only landowners and farmers. Was not able to determine if they have been trained recently.

No Photos

LM Start	0.00	Rating **	U	Issue No.	15	
LM End	0.99	Issue Type +	Ма	Location *	LS	
Catagonia Earthen Levee				GPS Latitude/Longitude		
Category				Start End		End
Item	Vegetatio	n		38.3271	48 °	38.313078°
item	item				52 °	-121.578780°
DWR ID DWR_RD0349_01_f _ 2016_15						
		Cama	ant Car	ام		

#### Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

Control the wild growth of vegetation on the landside levee slope.

### Photo 1 of 1 : FA\_2016\_RD0349\_204\_15\_20161003\_00023.jpg



RD 349 Unit 1 landside looking downstream at levee slope.

Photo 1 of 1: FA\_2016\_RD0349\_204\_20\_20161003\_00024.jpg

LM Start	0.01	Rating **	U	Issue No.		20	
LM End	0.94	Issue Type +	Ма	Location *		WS	
Category	GPS Latitude/Longitude						
Category		Start		End			
Item	Vegetatio	n		38.32707	′3 °	38.313798	0
пеш				-121.57694	15 °	-121.578953	0
DWR ID	DWR_RD0	349_01_s _ 201	6_20				

### V2: Remove the wild growth other than native grasses from the levee

slopes.

#### Inspector Comment

Comment Code

Remove the unwanted wild growth of brush and other vegetation from the waterside slope. Unable to see the ground.



RD 349 Unit 1 waterside looking downstream at shoulder and slope.

\* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

\*\* Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.03	Rating **	М	Issue No.		7	
LM End	0.10	Issue Type +	Ma	Location *		WS	
Category	Suppleme	ental		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	2015 USA	CE Erosion S	Survey,	38.3267	43°	38.325844°	
пеш	DRAFT -121.576979				79°	-121.577119°	
DWR ID	DWR ID DWR_RD0349_01_s _ 2016_7						
		Comn	nent Cod	de			
			•				
		Inspecto	or Comm	nent			
2015: Erosion observed at the toe. [2015 Site ID: SAC_33-9_R]							

No Photos

LM Start	1.24	Rating **	М	Issue No.	10		
LM End	1.53	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory		Start		End			
Item	Trim / Thin Trees			38.3096	35°	38.305938°	
item				-121.5772	90°	-121.574802°	
DWR ID	DWR_RD0	349_01_f _ 201	4_10				
Comment Code							
T1 : Trim trees to at least five feet above ground level.							

### Inspector Comment

Thin the tree growth so the slope can be seen during inspection.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	09/29/2016 09/29/2016	Herman Phillips

LM Start	1.53	Rating **	М	Issue No.	21		
LM End	1.56	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
				Start		End	
Item	Vegetatio	n		38.3058	83 °	38.305450 °	
item				-121.5747	65 °	-121.574657°	
DWR ID DWR_RD0349_01_f _ 2015_21							
	Comment Code						
					-		

 $\ensuremath{\mathsf{V2}}$  : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

Remove the growth from the landside slope.

No Photos

LM Start	1.56	6 Rating ** U		Issue No.		13	
LM End	1.58	Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
				Start		End	
Item	Vegetation			38.3054	50°	38.305162°	
пеш				-121.5746	87°	-121.574750°	
DWR ID DWR_RD0349_01_f _ 2014_13							
		0		1.			

#### **Comment Code**

V2 : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

This Arundo present on the waterward section is blocking the view of the levee section. Remove it from the shoulder and slope.

#### Photo 1 of 1: FA\_2016\_RD0349\_204\_13\_20161003\_00026.jpg



RD 349 Unit 1 waterside shoulder and slope.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.03	Rating **	U	Issue No.		34	
LM End	1.31	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		38.3049	93°	38.289043°	
item			-121.5751	60°	-121.584015°		
DWR ID	DWR_RD0	349_02_f _ 201	6_34				
		Comn	nent Cod	de			
V1 : Contre		grass and wee	eds on th	e levee slo	pes a	and	
		Inspecto	or Comm	nent			
Control the unwanted vegetation on the landside levee slope.							



RD 349 Unit 2 landside slope.

LM Start	0.05	Rating **	U	Issue No.		44
LM End	0.57	Issue Type +	Ма	Location *		WS
Category Earthen Levee				GPS La	titud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		38.3048	63°	38.299367°
						-121.581493°
DWR ID DWR_RD0349_02_s _ 2016_44						
		Como	ant Car	ام		

#### **Comment Code**

V2 : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

Unwanted tall weeds and small trees present on the water side slope need to be removed.

## Photo 1 of 1 : FA\_2016\_RD0349\_205\_44\_20161003\_00078.jpg



RD349 Unit 2 looking downstream from the wateside ahoulder and levee slope.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.34	Rating **	М	Issue No.		9	
LM End	0.39	Issue Type +	Ma	Location *	WS		
Category	Supplemental				itud	e/Longitude	
Calegory				Start		End	
Item		CE Erosion S	Survey,	38.30235	8°	38.301772°	
пеш	DRAFT -121.579707 ° -121.5800						
DWR ID DWR_RD0349_02_s _ 2016_9							
	Comment Code						

### Inspector Comment

2007 - Slow erosion, probably due to wave wash and fluvial erosion. Site has likely been here for awhile but was unseen due to boats parked in front. 2015: Large tree popout, scarp reaches crown of levee. [2015 Site ID: STM\_25-8\_R]



USACE 2013 Photo #1

LM Start	0.45	Rating **	M	Issue No.		49
LM End	0.46	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		38.3009	90°	38.300853°
пеш				-121.5806	78°	-121.580748°
DWR ID	DWR_RD0	349_02_s _ 201	6_49			·

#### Comment Code

T2: Thin trees to allow visibility of the ground and room to flood fight.

#### Inspector Comment

Thin out the trees to allow the slope to be seen.

No Photos

LM Start	0.57	Rating **	M	Issue No.		62	
LM End	3.50	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	tituc	de/Longitude	
Category				Start		End	
Item	Vegetatio	n		38.2993	67°	38.262782	0
пеш				-121.5814	90°	-121.591812	0
DWR ID	DWR_RD0	349_02_f _ 201	4_62				

#### Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

Remove the unwanted vegetation from the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.60	Rating **	М	Issue No.		13
LM End	0.72	Issue Type +	Ma	Location *		WS
Category				GPS La	atitud	e/Longitude
Calegory				Start		End
ltom		CE Erosion S	Survey,	38.2988	97°	38.297384°
ltem DRAFT -121.581571 ° -121.582176						
DWR ID DWR_RD0349_02_s _ 2016_13						
		Comn	nent Coo	de		

#### Inspector Comment

2010 - Small maintenance, erosion into the toe. 2011 - Minor new erosion at toe. 2015: Minor new erosion at toe, new tree popout. [2015 Site ID: STM\_25-5\_R]



USACE 2013 Photo #1

LM Start	1.08	Rating **	U	Issue No.	36	
LM End	1.08	Issue Type +	Ма	Location *	WS	
Category Earthen Levee			GPS La	atituc	le/Longitude	
Category			Start		End	
Item	Erosion /	Bank Caving		38.2923	80°	38.292282°
пеш				-121.5839	63°	-121.583958°
DWR ID DWR_RD0349_02_f _ 2016_36						
	Comment Code					

E2 : Schedule repair of erosion site prior to the next inspection.

### Inspector Comment

Land owner damaged the slope waterside. The damage need to be repaired soon as possible.

LM Start	1.08	Rating **	U	Issue No.	36 (cont)
LM End	1.08	Issue Type +	Ma	Location *	WS

#### Photo 1 of 3: FA\_2016\_RD0349\_205\_36\_20161003\_00079.jpg



RD 349 Unit 2 waterside slope and berm Land owner has dug a pit.

Photo 2 of 3: FA\_2016\_RD0349\_205\_36\_20161003\_00084.jpg



Wind blind dug into the waterside berm lining the pit.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	1.08	Rating **	U	Issue No.	36 (cont)		
LM End	1.08	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.2923	80°	38.292282 °	
item	item				63°	-121.583958 °	
DWR ID	DWR_RD0	349_02_f _ 201	6_36				
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.	
Inspector Comment							
Land owner damaged the slope waterside. The damage need to be repaired soon as possible.							



The landowner has knotched step into the waterside slope.

LM Start	1.31	Rating **	М	Issue No.		18	
LM End	1.33	Issue Type +	Ма	Location *		LS	
Earthen Levee			GPS La	atitud	le/Longitude		
Category				Start		End	
Item	Vegetatio	n		38.2889	13°	38.288745°	
пеш	item				33°	-121.583938 °	
DWR ID DWR_RD0349_02_s _ 2012_18							
0							

#### **Comment Code**

V2 : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

The landscaping is in need of maintenance to remove the wild growth.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	1.33 Rating ** U			Issue No.		10
LM End	1.49	Issue Type +	Ma	Location *	Location *	
Category			GPS Latitude/Longitude			
Calegory				Start		End
Item		ACE Erosion S	Survey,	38.2887	27°	38.286475°
пеш	DRAFT			-121.5838	23 °	-121.585026°
DWR ID DWR_RD0349_02_s _ 2016_10						
		Comn	nent Coo	de		

#### Inspector Comment

1997 - Erosion of very sandy levee behind large stand of riparian vegetation on top right bank. Dry ravel of sand. 1999 - Quarry waste rock was dumped down the levee slope; poor repair job; still eroding in places. Eroding at midslope off fabric. 2005 - Length revised, only the middle 150 - 200 ft are eroding. 2006 - Some rock/small material dumped down the bank but it is slowly unraveling. Upstream end is unraveling faster. Steep slope with poor gradation so fines are washing out. 2010 - Lots of overhanging trees and erosion pockets. 2011 - This site is upgraded to CRITICAL. Near vertical bank at the downstream end. New erosion at various locations throughout the site. 2015: No observed changes. [2015 Site ID: STM\_24-7\_R]



USACE 2013 Photo #1

LM Start	1.33	Rating **	U	Issue No.		56	
LM End	2.36	Issue Type +	Ma	Location *	LS		
Catagory	evee	GPS Latitude/Longitude					
Calegory	Category					End	
Item	Vegetatio	n		38.2887	18°	38.275795°	
пеш				-121.5840	42 °	-121.591430°	
DWR ID DWR_RD0349_02_s _ 2016_56							
	Comment Code						

### V7: Trees / Woody Vegetation

### Inspector Comment

Remove this unwanted woody tree growth and wild vegetation from the levee slope landward.

#### Photo 1 of 1: FA\_2016\_RD0349\_205\_56\_20161003\_00089.jpg



Looking downstream from levee mile 1.33 to 2.36.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

	_						
LM Start	2.04	Rating **	М	Issue No.		19	
LM End	2.05	Issue Type +	Ma	Location *	WS		
Category	Suppleme	ental		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item		CE Erosion S	Survey,	38.2800	69°	38.279919°	
item	DRAFT			-121.589443 °		-121.589438 °	
DWR ID	DWR_RD0	349_02_s _ 201	6_19				
		Comn	nent Cod	de			
Inspector Comment							
2011 - Small scallop caused by erosion and wave wash. 2015: No observed changes. [2015 Site ID: STM_24-1_R]							

Photo 1 of 1 : FA\_2016\_RD0349\_205\_19\_20160913\_00012.jpg



USACE 2013 Photo #1

LM Start	2.11	Rating **	М	Issue No.		16	
LM End	2.14	Issue Type +	Ma	Location *	WS		
Supplemental Supplemental				GPS Latitude/Longitude			
Category				Start		End	
Item		CE Erosion S	Survey,	38.2790	17°	38.278597°	
пеш	DRAFT			-121.5896	15°	-121.589854°	
DWR ID DWR_RD0349_02_s _ 2016_16							
Comment Code							

#### Inspector Comment

1997 - Top right bank has retreated into the levee. Site is between two rock sites. 1999 - Downstream half of the reach repaired with rock. 2000 - Trees leaning into the water. 2010 - Site appears worse. 2011 - New erosion at the toe. 2013 - Short vertical sections observed at upstream end. 2015: Minor new erosion. [2015 Site ID: STM\_23-9\_R]



USACE 2013 Photo #1

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	2.36	Rating **	U	Issue No.		64	
LM End	4.30	Issue Type +	Ma	Location *	LS		
Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetatio	n		38.2757	95 °	38.254703°	
пеш				-121.5914	28 °	-121.599703°	
DWR ID DWR_RD0349_02_s _ 2016_64							
	Comment Code						

V2 : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

The wild weeds on the landside slope and toe needs to be removed.



RD 349 Unit 2 looking downstream from levee mile 2.36 landside slope and toe.

LM Start	2.56	Rating **	М	Issue No.		3
LM End	2.69	Issue Type +	Ma	Location *		WS
Category	Supplemental			GPS Latitude/Longitude		
Calegory			Start		End	
Itom		CE Erosion S	Survey,	38.2738	54°	38.271998°
пеш	Item DRAFT			-121.5887	45 °	-121.589424°
DWR ID DWR_RD0349_02_s _ 2016_3						
		Comn	nent Coc	10		

#### Inspector Comment

2011 - Toe scour at the tidal zone. 2015: New tree popout and minor new erosion. [2015 Site ID: STM\_23-6\_R]

LM Start	2.56	Rating **	М	Issue No.	3 (cont)
LM End	2.69	Issue Type +	Ma	Location *	WS

#### Photo 1 of 2: FA\_2016\_RD0349\_205\_3\_20160913\_00003.jpg



USACE 2013 Photo #1

Photo 2 of 2: FA\_2016\_RD0349\_205\_3\_20160913\_00004.jpg



USACE 2013 Photo #2

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	3.00	Rating **	М	Issue No.		66	
LM End	3.03	Issue Type +	Ma	Location *	LS		
Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Trim / Thin Trees				'10 °	38.267280°	
пеш			-121.588828 °				
DWR ID	DWR ID DWR_RD0349_02_s _ 2016_66						
		Comn	nent Cod	de			
T2: Thin t	rees to allo	ow visibility of	the grou	nd and roo	m to	flood fight.	
			_				
		Inspecto	or Comm	nent			
Thin the tr	Thin the trees on the landside slope.						

No Photos

LM Start	3.38	Rating **	М	Issue No.	11				
LM End	3.49	Issue Type +	Ма	Location *	WS				
Category				GPS Latitude/Longitude					
Calegory		Start		End					
Item		CE Erosion S	Survey,	38.26251	0°	38.262533	0		
itein	DRAFT			-121.58948	31 °	-121.591690	0		
DWR ID	R ID DWR_RD0349_02_s _ 2016_11								
	Comment Code								

#### Inspector Comment

2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe. 2015: No observed changes. [2015 Site ID: STM\_22-8\_R]



USACE 2013 Photo #1

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

	0.50	Dating **	- 11	Issue No		0.4	
LM Start	3.58	Rating **	U	issue ivo.		84	
LM End	4.31	Issue Type +	Ma	Location *		WS	
Category	evee	GPS La	atitud	le/Longitude			
Category				Start		End	
Item	Vegetatio	n		38.2625	88°	38.254733 °	
пеш				-121.5933	-121.599963 °		
DWR ID DWR_RD0349_02_f _ 2015_84							
		Comn	nent Cod	de			
V2 : Remo slopes.	ve the wild	growth other	than na	tive grasse	s fro	m the levee	
		Inspecto	or Comm	nent			
Remove th	ne snap gra	asses from the	e waters	ide levee sl	ope.		



Tall snap grasses covering the waterward slope.

LM Start	3.72	Rating **	М	Issue No.	22			
LM End	3.73	Issue Type +	Ma	Location *	WS			
Category Earthen Levee			GPS La	atitud	e/Longitude			
Category				Start		End		
Item	Encroachments			38.2611	11°	38.261001 °		
пеш				-121.5950	62°	-121.595052°		
DWR ID	DWR_RD0	349_02_s _ 201	2_22					
		Comn	nent Coo	le				
TR : Tree or limb								
		Inspecto	or Comm	ent				

No Photos

LM Start	3.81	Rating **	М	Issue No.		85	
LM End	3.99	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atituc	le/Longitude	
Category				Start		End	
Item	Animal Control			38.2598	82°	38.257252 °	
item				-121.5952	45°	-121.595403 °	
DWR ID	DWR_RD0	349_02_f _ 201	5_85				
		Comn	nent Cod	de			
A1 : Exterr	minate rod	ents and back	fill and c	compact or	grou	it burrows.	
		Inspecto	or Comm	nent			
Exterminat	Exterminate the rodents from the levee section.						

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	3.94	Rating **	U	Issue No.	40		
LM End	4.31	Issue Type +	Ма	Location *		LS	
Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		38.2580	62 °	38.254715°	
пеш				-121.5951	53°	-121.599900°	
DWR ID DWR_RD0349_02_f _ 2016_40							
		Comn	nent Cod	de			
V1 : Contre		rass and wee	eds on th	e levee slop	oes :	and	
		Inspecto	or Comm	nent			
Conrol the	Conrol the wild vegetation growth on the landside levee slope.						
	· · · · · · · · · · · · · · · · · · ·						



RD 349 Unnit 2 levee mile 3.94-4.31 looking downstream.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	34		
LM End	1.52	Issue Type +	Ma	Location *	LS		
Category	GPS Latitude/Longitude						
Calegory				Start		End	
Item	Vegetatio	n		38.2547	52°	38.275993°	
item				-121.60000	67°	-121.601013°	
DWR ID	DWR ID DWR_RD0349_03_f _ 2016_34						
	Comment Code						

V2 : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

Tall weeds on the landside levee slope need to be removed from the levee section.



RD 349 Unit 3 landside levee slope landside.

LM Start	0.00	Rating **	U	Issue No.		35	
LM End	2.74	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Regory			Start		End	
Item	Vegetatio	n		38.2547	52°	38.292205°	
пеш			-121.6000	67°	-121.603727°		
DWR ID	DWR_RD0	349_03_f _ 201	6_35			·	

#### Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

Tall weeds on the waterside levee slope need to be removed.

#### Photo 1 of 1: FA\_2016\_RD0349\_206\_35\_20161017\_00071.jpg



RD 349 Unit 3 levee mile 0.00 waterside slope.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

		5 // **			Ι		
LM Start	0.04	Rating **	U	Issue No.		37	
LM End	0.04	Issue Type +	Ma	Location *	WS		
Category	Catagoria Earthen Levee					e/Longitude	
Calegory				Start		End	
Item	Encroachi	ments		38.2553	327°	38.255327°	
item				-121.6000	)33°	-121.600033°	
DWR ID DWR_RD0349_03_f _ 2016_37							
		Comn	nent Cod	de			
TR : Tree	or limb						
		Inspecto	or Comm	nent			
Dead tree on the waterside slope (large). This tree will fall and block access to the levee crown roadway.							



RD 349 Unit 3 levee mile 0.04 waterside slope.

LM Start	0.30	Rating **	М	Issue No.		59	
LIVI Start	0.30	rtating	IVI	13300 140.		J9	
LM End	0.30	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Category				Start		End	
Item	Encroachi	ments	38.259081 °			38.259081 °	
пеш				-121.6000	46°	-121.600046°	
DWR ID	DWR_RD0	349_03_s _ 201	4_59				
		Comn	nent Cod	le			
TR : Tree	or limb						
		Inspecto	or Comm	ent			
Remove th	ne tree limb	o from the land	dside slo	ppe.			

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.97	Rating **	U	Issue No.		971	
LM End	0.97	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory			Start			End	
Item	Encroach	ments		38.2683	93 °	38.268393°	
item				-121.6029	11 °	-121.602911°	
DWR ID	WR ID DWR_RD0349_03_s _ 2012_971					·	
	Comment Code						

TR: Tree or limb

#### Inspector Comment

Remove dead tree from the landside levee slope. Thin out the woody tree growth so that the slope can be seen.



The dead tree listed in last inspection has not been completely removed, nor has the woody tree growth been thinned out.

LM Start	1.47	Rating **	U	Issue No.		64	
LM End	1.47	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Category		S				End	
Item	Encroach	ments		38.2753	32°	38.275332°	
пеш				-121.6013	59°	-121.601359°	
DWR ID	DWR_RD0349_03_s _ 2014_64						
	Comment Code						

TR: Tree or limb

#### Inspector Comment

Cut up tree on waterward berm. This tree reported during the fall inspection has not been removed from the water side berm.

### Photo 1 of 1 : FA\_2016\_RD0349\_206\_64\_20160913\_00003.jpg



Cut up fallen tree on waterside slope.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	1.77	Rating **	U	Issue No.		39
LM End	6.31	Issue Type +	Ma	Location *		LS
Earthen Levee			GPS La	atitud	le/Longitude	
Category						End
Item	Vegetatio	n		38.2795	35°	38.329043°
пеш				-121.6003	12 °	-121.579382°
DWR ID DWR_RD0349_03_f _ 2016_39						
		C		l =		

#### Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

There hasn't been any maintenance done to the levee slope landside and the waterside from here to the end levee mile 6.31.

# Photo 1 of 1: FA\_2016\_RD0349\_206\_39\_20161017\_00073.jpg



RD 349 Unit 3 levee mile 1.77 through to levee mile 6.31.

LM Start	1.92	Rating **	М	Issue No.		2	
LM End	1.97	Issue Type +	Ma	Location *		WS	
Category	Suppleme	ental		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item		ACE Erosion S	Survey,	38.3109	59°	38.311288	۰
пеш	DRAFT			-121.5977	48°	-121.596972	0
DWR ID	DWR_RD0	349_03_s _ 201	6_2				
		0		1_			

### **Comment Code**

#### Inspector Comment

2015: Tall vertical sections into the levee slope and erosion along the toe. [2015 Site ID: STR\_26-1\_R]

No Photos

LM Start	2.74	'4 Rating ** M		Issue No.		40	
LM End	3.00	Issue Type +	Ma	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Vegetatio	etation		38.2922	05°	38.295762	0
item				-121.6037	27°	-121.604755	0
DWR ID	DWR_RD0	349_03_f _ 201	6_40				

#### Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

There is a veg site here that has not been maintained, the site is not managed and not maintained.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown	II · I Inaccentable	AMM · Accentable but Monitor & Maintain	En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	3.02	Rating **	U	Issue No.		41		
LM End	6.31	Issue Type +	Ма	Location *		Ma Location *		WS
Category Earthen Levee				GPS Latitude/Longitude				
Calegory						End		
Item	Vegetatio	n		38.2960	65 °	38.329043 °		
пеш						-121.579382°		
DWR ID DWR_RD0349_03_f _ 2016_41								

#### Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

From levee mile 3.02 to levee mile 6.31 water side slope is overgrown with tall weeds and other wild vegetation.

## Photo 1 of 1 : FA\_2016\_RD0349\_206\_41\_20161017\_00074.jpg



RD 349 Unit 3 levee mile 3.02 looking downstream waterside.

LM Start	3.19	Rating **	U	Issue No.		73
LM End	3.19	Issue Type +	Ma Location *		Location *	
Category Earthen Levee				GPS Latitude/Longitude		
Calegory	Salegory					End
Item	Trim / Thin Trees			38.2982	23°	38.298223°
item			-121.6032	40°	-121.603240 °	
DWR ID	DWR_RD0	349_03_f _ 201	4_73			

#### Comment Code

T4: Trim trees over roadway to at least 12 feet above ground level.

#### Inspector Comment

This tree on the landside slope is rotten and could possibly fall across levee section.

LM Start	3.19	Rating **	U	Issue No.	73 (cont)
LM End	3.19	Issue Type +	Ma	Location *	LS

#### Photo 1 of 2: FA\_2016\_RD0349\_206\_73\_20160913\_00004.jpg



Close up view of dead tree standing above crown roadway.

#### Photo 2 of 2: FA\_2016\_RD0349\_206\_73\_20160913\_00005.jpg



Dead tree above crown roadway landward.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	4.20	Rating **	М	Issue No.		78		
LM End	4.20	Issue Type +	Ма	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.3105	28°	38.310528°		
пеш				-121.5971	80°	-121.597180°		
DWR ID	DWR_RD0	349_03_f _ 201	4_78					
		Comn	nent Cod	de				
T4 : Trim t	rees over i	roadway to at	least 12	feet above	grou	und level.		
		Inspecto	or Comm	nent				
Dead tree need removing from levee section.								

No Photos

LM Start	4.74	Rating **	U	Issue No.		80	
LM End	6.30	Issue Type +	Ма	Location *		CR	
Category Earthen Levee			GPS Latitude/Longitude				
Category			Start		End		
Item	Vegetatio	n		38.3161	83°	38.329088	0
item				-121.5907	35°	-121.579400	0
DWR ID DWR_RD0349_03_f _ 2015_80							
	Comment Code						

V9: Keep the crown roadway free of vegetation.

### Inspector Comment

The crown roadway should be keep free of vegetation. No new picture, the conditions has not changed since last inspection.



RD 349 Levee mile 4.74 looking at overgrown crown roadway. Weeds are taller than four feet. Extreme fire hazard.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	5.04	Rating **	М	Issue No.		42	
LM End	5.04	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Vegetation			38.320321 °		38.320321 °		
item				-121.589617 °		-121.589617°	
DWR ID DWR_RD0349_03_f _ 2016_42							
Comment Code							
V4 · Elderberries are blocking visibility and flood fight capability							

#### Inspector Comment

This elderberry bush here can be trimmed so the ground can be seen.

LM Start	5.06	Rating **	М	Issue No.		3	
LM End	5.18	Issue Type +	Ma	Location *		WS	
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	2015 USACE Erosion Survey, DRAFT			38.3204	91°	38.322233°	
item				-121.589927 °		-121.590127°	
DWR ID	DWR_RD0	349_03_s _ 201	6_3				

Comment Code

#### Inspector Comment

2015: Large Tree popout and tall vertical sections into the levee slope. [2015 Site ID: STR\_26-9\_L]

ı	LM Start	5.22	Rating **	M	Issue No.	21			
	LM End	5.22	Issue Type +	Ma	Location *	LS			
Category Earthen Le			evee	vee		GPS Latitude/Longitude			
Calegory				Start		End			
	Item	Trim / Thi	n Trees		38.3226	93°	38.322693	0	
itelli				-121.5893	27°	-121.589327	0		
ĺ	DWD ID	DWD DD0	240 02 - 204	2 24					

DWR ID DWR\_RD0349\_03\_s \_ 2012\_21

#### Comment Code

T4: Trim trees over roadway to at least 12 feet above ground level.

#### Inspector Comment

Remove tree limbs over hanging roadway.

No Photos

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	5.25	Rating **	М	Issue No.		36		
LM End	5.25	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thin Trees			38.322868 °		38.322868 °		
пеш				-121.588868 °		68° -121.588868°		
DWR ID	DWR ID DWR_RD0349_03_f _ 2012_36							
		Comn	nent Coc	de				
T4 : Trim trees over roadway to at least 12 feet above ground level.								
		Inspecto	or Comm	nent				
Remove tree limb hanging over roadway.								

No Photos

LM Start	5.83	Rating **	М	Issue No.	88			
LM End	5.83	Issue Type +	Ma	Location *	CR			
Category Earthen Levee				GPS La	GPS Latitude/Longitude			
Calegory			Start		End			
Item	Trim / Thi	rim / Thin Trees			65°	38.329465°		
пеш				-121.584995 °		-121.584995°		
DWR ID	DWR_RD0	349_03_f _ 201	4_88					
	Comment Code							
T4 : Trim trees over roadway to at least 12 feet above ground level.								
	Inspector Comment							

No Photos

Trim the tree limb hanging over crown roadway.

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

### **Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	5.89	Rating **	M	Issue No.		90		
LM End	5.89	Issue Type +	Ma	Location *		CR		
Category	Earthen Levee			GPS La	atitud	le/Longitude		
Category		Start		End				
Trim / Thin Trees			38.3303	08°	38.330308°			
пеш				-121.584560 °		-121.584560 °		
DWR ID	DWR ID DWR_RD0349_03_f _ 2014_90							
		Comn	nent Coc	de				
T4 : Trim t	rees over i	oadway to at	least 12	feet above	grou	und level.		
Inspector Comment								
Trim the tree limb hanging over crown roadway.								

No Photos

LM Start	6.09	Rating **	М	Issue No.		86	
LM End	6.09	Issue Type +	Ma	Location *	CR		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Trim / Thin Trees			38.331327°		38.331327°		
Item			-121.582067 °		° -121.582067		
DWR ID DWR_RD0349_03_f _ 2014_86							
Comment Code							

T4: Trim trees over roadway to at least 12 feet above ground level.

Inspector Comment

Trim the tree limb hanging over crown roadway.

No Photos

U : Unacceptable